

FIG. 1

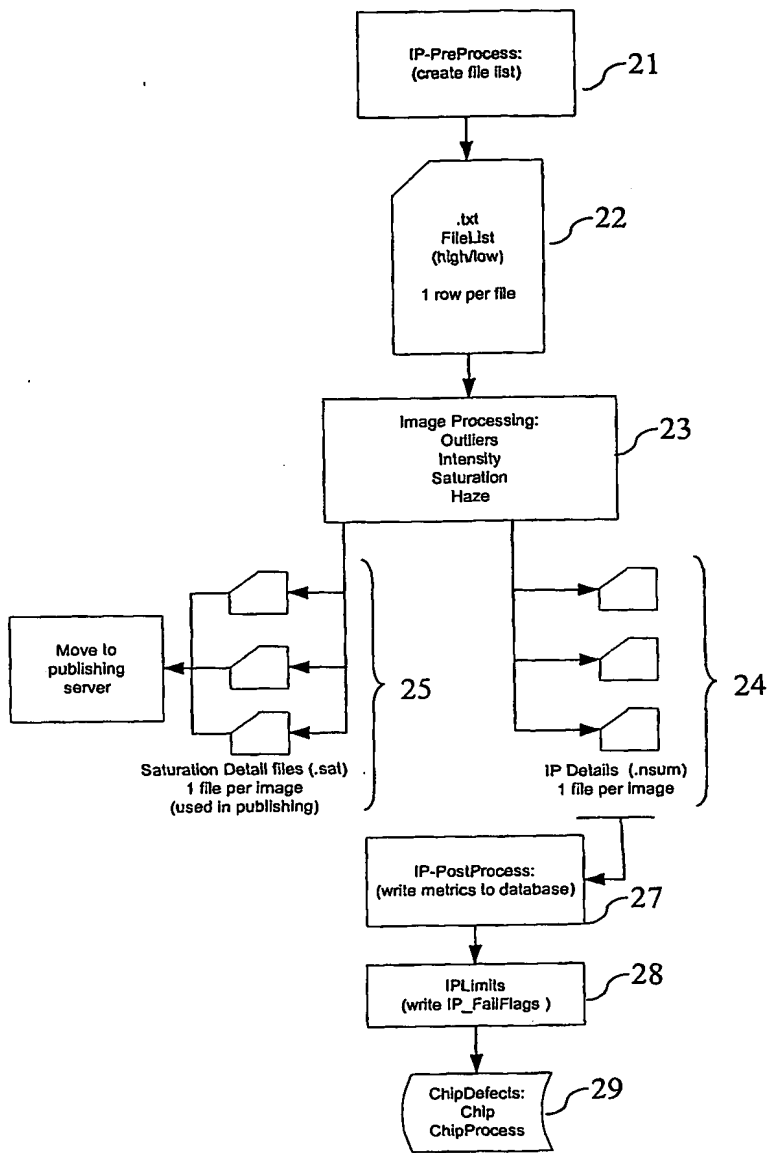


Image Processing Workflow

FIG. 2

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35 31 34 32 36 33

[16]

QC Workbench ***** PRODUCTION MODE *****

File Edit View																	
Selected Experiment(s)																	
Pass		Fail		Fail Reason		QC User		Comment		Needs Mask		Fixed					
P/F		Clear								No Mask		Not Fixed					
Exp Name	Scan Date	Process	Pass/Fail	Reason	IP Fail Flags	IP Fail Description	Chip Type	Intensity yAll	Mean AvgOff	Raw 5/3 GapDH	Raw 5/3 B-Actn	Inten-ty	Intensity Offset 2	Offset Count	Spk Actn R-Square	S/C	
1	08132MV274A21	2002-01-17 1: Archive	pass		0000000 00000100	saty, Uneven; MG_U74Av	4391	152	1.000	0.752	130	2399	3752	0.985			
2	08132MV274B21	2002-01-17 1: Archive	pass		0010000 00000100	Guid, Intensity; MG_U74Bv	410	53	1.030	0.751	123	3718	4157	0.983			
3	08132MV274C21	2002-01-17 1: Archive	fail	Dim Locally	1011000 01001000	and, Uneven; MG_U74Cv	186	10	0.604	0.774	66	1751	3613	0.978			
4	08153MV274A11	2002-01-17 1: Archive	pass		1000000 00000000	acts, Uneven; MG_U74Av	313	73	0.731	0.374	201	5105	2825	0.992			
5	08153MV274B11	2002-01-17 1: Archive	pass		0000000 00000000	acts, Uneven; MG_U74Bv	292	35	0.710	0.369	218	8315	3463	0.993			
6	08153MV274C11	2002-01-17 1: Archive	pass		0000000 00000000	MG_U74Cv	222	10	0.717	0.400	203	9887	1527	0.992			
7	08153MV274A21	2002-01-17 1: Archive	pass		0000000 00000100	saty, Uneven; MG_U74Av	553	181	0.728	0.707	153	3547	3471	0.984			
8	08153MV274B21	2002-01-17 1: Archive	pass		0001000 00000000	Guid, Uneven; MG_U74Bv	291	57	0.709	0.661	98	3155	4007	0.981			
9	08153MV274C21	2002-01-17 1: Archive	pass		0000000 00001000	Guid, Intensity; MG_U74Cv	443	49	0.774	0.649	174	3663	3165	0.994			
10	08177MV274A11	2002-01-17 1: Archive	pass		0000000 00100100	All, Intensity; MG_U74Av	431	155	1.029	0.540	273	2498	3118	0.911			
11	08177MV274B11	2002-01-17 1: Archive	pass		0000000 00100000	All; MG_U74Bv	370	79	0.992	0.515	336	3030	4887	0.008			
12	08177MV274C11	2002-01-17 1: Archive	fail	Bright Overall	0010000 00100100	Guid, Intensity; MG_U74Cv	531	40	0.992	0.486	441	3777	2742	0.002			
13	08194MV274A11	2002-01-17 1: Archive	pass		0000000 00100100	saty, Uneven; MG_U74Av	543	61	0.961	0.526	637	4456	2614	0.015			
14	08194MV274B11	2002-01-17 1: Archive	pass		0000000 00000000	Guid, Uneven; MG_U74Bv	382	98	0.704	0.632	204	5591	3474	0.990			
15	08194MV274C11	2002-01-17 1: Archive	pass		0000000 00000000	acts, Uneven; MG_U74Cv	283	37	0.709	0.554	166	4314	4103	0.991			
16	08194MV274A21	2002-01-17 1: Archive	pass		0000000 00001000	saty, Guid; MG_U74Av	339	25	0.693	0.605	223	5069	2702	0.992			
17	08194MV274B21	2002-01-17 1: Archive	pass		0000000 00000000	acts, Guid; MG_U74Bv	258	21	0.828	0.389	197	5069	2702	0.992			
18	08194MV274C21	2002-01-17 1: Archive	pass		0000000 00000000	acts, Guid; MG_U74Cv	258	21	0.828	0.389	197	5069	2702	0.992			
19	08197MV274A11	2002-01-17 1: Archive	pass		0000000 00000100	saty, Uneven; MG_U74Av	447	115	0.720	0.622	158	4033	3152	0.989			
20	08197MV274B11	2002-01-17 1: Archive	pass		0000000 00000000	acts, Uneven; MG_U74Bv	369	55	0.796	0.586	146	4325	3743	0.985			
21	08197MV274C11	2002-01-17 1: Archive	fail	Bright Overall	0000000 00000100	saty, Uneven; MG_U74Cv	566	76	0.722	0.622	332	7568	2639	0.985			
22	08198MV274A11	2002-01-17 1: Archive	pass		0000100 00000000	Guid, Uneven; MG_U74Av	367	90	0.580	0.531	183	5456	3401	0.988			
23	08198MV274B11	2002-01-17 1: Archive	pass		0000000 01000000	and, Uneven; MG_U74Bv	310	34	0.659	0.493	132	3416	4071	0.990			
24	08198MV274C11	2002-01-17 1: Archive	pass		0000000 00000100	saty, Uneven; MG_U74Cv	402	36	0.706	0.595	336	7193	2979	0.986			
25	08863MV274A21	2002-01-17 1: Archive	fail	Haze	0000000 00000000	Guid, Uneven; MG_U74Av	259	10	0.530	0.420	192	4637	1702	0.992			
26	09169MV274A21	2002-01-17 1: Archive	pass		0000000 00000100	saty, Uneven; MG_U74Av	549	135	0.905	0.548	207	4989	3479	0.988			
27	09169MV274B21	2002-01-17 1: Archive	pass		0001000 00000100	saty, Uneven; MG_U74Bv	543	124	0.905	0.548	207	4989	3479	0.988			
28	09169MV274C21	2002-01-17 1: Archive	pass		0000010 01000100	and, Intensity; MG_U74Cv	372	49	0.777	0.546	164	2775	2705	0.987			
29	09231MV274A21	2002-01-17 1: Archive	fail	High Background	0000010 00111100	Saturated, Sca; MG_U74Av	1766	2	-2.047	-0.483	89	1786	5442	0.016			
30	09231MV274B21	2002-01-17 1: Archive	fail	Den Overall	0000010 00000100	saty, Uneven; MG_U74Av	91	0	0.002	-0.754	163	6780	912	0.995			
31	09250MV274A11	2002-01-17 1: Archive	fail	Den Overall	0000010 00000100	acts, Intensity; MG_U74Bv	120	1	2.997	3.475	348	7366	1451	0.988			
32	09250MV274B11	2002-01-17 1: Archive	fail	Den Overall	1000000 00000000	Antiacts, Guid; MG_U74Cv	333	103	0.368	0.261	135	2242	3828	0.987			
33	09270MV274A21	2002-01-17 1: Archive	pass	Den Locally	0000000 00000000	MG_U74Av	333	86	0.402	0.277	185	3974	4027	0.989			
34	09270MV274B21	2002-01-17 1: Archive	pass		0000000 00000100	saty, Uneven; MG_U74Bv	439	52	0.409	0.258	237	3516	3145	0.992			
35	09270MV274C21	2002-01-17 1: Archive	pass		0000000 00000100	saty, Uneven; MG_U74Cv	439	52	0.409	0.258	237	3516	3145	0.992			

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FIG. 3

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Scan Dates: Start Date: 01/14/2002 End Date: 01/21/2002 History Needs Mask: Yes No

Process Dates: Start Date: 01/21/2002 End Date: 01/21/2002 Scanner Setting: High Low Both

Experiment Name contains: Lot Number: Process: Problem: Pass/Fail: Probe Array: Fail Reason:

Image Processing Parameters: No Metrics No P/F Flags

IP Test	Dr	Low Limit	Hi Limit	Pass	Fail	Both	IP Test	Low Limit	Hi Limit	Pass	Fail	Both
Any							Right Outer Edge					
Avg Intensity (All)							Top 25% Edge					
Outlier Count							Bottom 25% Edge					
Saturation Count							Left 25% Edge					
Spikeln R-squared							Right 25% Edge					
Vert 10% peak/med							Top 75% Edge					
Avg OligoB2 Intens							Bottom 75% Edge					
Avg Spikeln Intens							Left 75% Edge					
Spikeln Intercept							Right 75% Edge					
Spikeln Slope							Horiz 25% Max/Min					
Negative FM-MM							Vert 25% Max/Min					
Vert Outlier Var							Horiz 75% Max/Min					
Horiz Outlier Var							Vert 75% Max/Min					
Top Outlier Edge							Image 5% Intensity					
Bottom Outlier Edge							5/2 B-Axis					
Left Outlier Edge							5/2 G-Axis					
							Mean Avg Diff					

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FIG. 4

Site	Chip	ChipType	Tissue Type	IP Fail Count	IP Fail Description	Intensity All	Intens/BG	Image 5%
A	1	RG U34A	LIVER, NOS	2	All, Artifacts, Uneven	391	5.446	72
A	2	RG U34A	LIVER, NOS	3	All, Artifacts, Uneven	463	6.88	67
A	3	RG U34A	LIVER, NOS	2	All, Artifacts, Uneven	529	7.317	72
A	4	RG U34A	LIVER, NOS	1	All	365	5.105	72
A	5	RG U34A	LIVER, NOS	1	All	556	6.864	81
A	6	RG U34A	LIVER, NOS	1	All	469	7.528	62
A	7	RG U34A	LIVER, NOS	2	All, Artifacts, Uneven	469	6.312	74
A	8	RG U34A	LIVER, NOS	2	All, Artifacts, Uneven	551	8.636	64
A	9	RG U34A	LIVER, NOS	2	All, Artifacts, Uneven	369	6.119	60
A	10	RG U34A	LIVER, NOS	2	All, Artifacts, Uneven	453	7.906	57
A	11	RG U34A	LIVER, NOS	1	All	337	4.849	70
A	12	RG U34A	LIVER, NOS	2	All, Artifacts, Uneven	362	5.3	68
A	13	RG U34A	LIVER, NOS	1	All	333	4.69	71
A	14	RG U34A	LIVER, NOS	5	All, Artifacts, Grid, Uneven	667	9.038	74
A	15	RG U34A	LIVER, NOS	2	All, Artifacts, Uneven	321	4.735	68
B	1	RG U34A	LIVER, NOS	0		315	6.389	49
B	2	RG U34A	LIVER, NOS	0		295	4.836	61
B	3	RG U34A	LIVER, NOS	0		315	5.526	57
B	4	RG U34A	LIVER, NOS	0		306	5.741	53
B	5	RG U34A	LIVER, NOS	2	All, Haze Band	294	5.043	58
B	6	RG U34A	LIVER, NOS	0		305	5.865	52
B	7	RG U34A	LIVER, NOS	2	Artifacts, Uneven	419	6.135	68
B	8	RG U34A	LIVER, NOS	1	Artifacts, Uneven	373	6.602	57
B	9	RG U34A	LIVER, NOS	11	Artifacts, Haze Band, Intensity, Uneven	1294	12.686	102
B	10	RG U34A	LIVER, NOS	2	All, Artifacts, Uneven	508	6.773	75
B	11	RG U34A	LIVER, NOS	1	All	294	5.845	50
B	12	RG U34A	LIVER, NOS	2	Artifacts, Uneven	399	7.087	56
B	13	RG U34A	LIVER, NOS	1	Artifacts, Uneven	417	6.915	60
B	14	RG U34A	LIVER, NOS	0		296	6.004	49
B	15	RG U34A	LIVER, NOS	1	All	208	3.014	69

FIG. 4A

Negative PM-MM	Mean AvgDiff	Raw 5/3' GapDH	Raw 5/3' B- ActIn	Intensity SpikesIn	Intensity OligoB2	Li/Wong Outliers	Saturation Count	Vert 10% peak/med	SpikesIn Intercept
46327	118	0.935	0.685	156	11733	2619	0	1.095	3.597
46522	153	0.847	0.721	238	10182	2690	0	1.105	4.146
45037	194	0.942	0.804	324	10683	2666	0	1.075	4.242
47464	107	0.95	0.729	188	11770	2681	0	1.086	4.143
46077	182	0.829	0.741	271	10916	2676	0	1.085	4.23
45626	164	0.897	0.684	427	11569	2856	2	1.073	4.934
45838	170	0.889	0.792	298	7980	2687	0	1.078	3.88
44793	195	0.873	0.684	197	10089	2823	0	1.068	4.244
45615	123	0.965	0.626	286	9582	2615	0	1.054	5.043
44523	175	0.953	0.734	243	9574	2900	0	1.094	3.806
47193	107	1.016	0.687	214	11018	2758	0	1.065	4.309
47243	101	0.909	0.699	188	12237	2620	0	1.084	3.113
46881	105	0.904	0.75	187	10477	2582	0	1.08	3.368
44376	270	0.935	0.75	331	11284	2646	0	1.108	4.146
47765	85	0.944	0.7	178	11579	2574	0	1.127	3.758
46492	110	0.866	0.692	61	2906	2598	0	1.089	4.157
47925	94	0.901	0.711	64	2652	2349	0	1.088	4.214
47385	103	0.852	0.695	70	3113	2436	0	1.166	4.345
46434	102	0.862	0.689	57	2332	2533	0	1.149	4.1
47087	85	0.88	0.723	65	2629	2421	0	1.265	4.269
45981	98	0.861	0.725	73	2835	2511	0	1.152	4.34
47663	130	0.854	0.747	75	3241	2384	0	1.064	4.382
47533	111	0.845	0.746	88	2946	2373	0	1.058	4.623
51529	266	1.012	0.581	104	4521	1761	1	1.357	4.969
46733	174	0.906	0.73	108	4516	2508	0	1.098	4.693
46909	90	0.897	0.688	54	2432	2411	0	1.13	4.056
46670	128	0.813	0.717	72	3478	2483	0	1.071	4.383
47504	118	0.866	0.659	90	4211	2347	0	1.072	4.68
46688	94	0.837	0.678	75	2793	2562	1	1.12	4.44
49044	62	0.681	0.693	48	3336	2404	0	1.046	3.894

FIG. 4B

Spikes In Slope	Vert Outlier Var	Horiz Outlier Var	Top Outlier Edge Ratio	Bottom Outlier Edge Ratio	Left Outlier Edge Ratio	Right Outlier Edge Ratio	25% Top Edge Ratio	25% Bottom Edge Ratio	25% Left Edge Ratio
0.653	22.646	13.817	0.836	0.913	0.801	0.946	1.182	0.947	1
0.64	29.924	17.055	0.764	0.897	1.079	0.928	1.197	0.95	1.022
0.707	24.722	18.077	0.9	0.917	1.139	0.878	1.18	0.948	1.062
0.497	28.449	16.471	0.908	0.824	0.819	0.938	1.137	0.981	1.046
0.699	28.735	23.511	0.81	0.86	1.15	0.884	1.131	0.956	1.043
0.666	30.882	17.744	0.767	0.908	0.952	0.858	1.138	0.947	1.025
0.81	16.837	19.078	0.847	0.963	1.012	0.995	1.167	0.959	1.016
0.716	30.097	23.347	0.774	0.94	0.989	0.957	1.223	0.966	1.047
0.424	29.957	15.748	0.886	0.98	0.883	0.797	1.092	1.029	1.014
0.779	29.609	18.137	0.811	0.811	1.083	0.95	1.207	0.976	1.064
0.501	24.843	19.022	0.84	0.938	0.888	0.92	1.156	0.968	1.014
0.851	24.225	16.097	0.852	0.878	0.759	0.911	1.155	0.969	0.988
0.807	24.343	8.665	0.841	0.78	0.943	1.03	1.145	0.979	1.02
0.823	25.686	23.463	0.83	0.83	1.19	0.743	1.282	0.962	1.101
0.641	23.967	14.159	0.858	0.875	0.902	0.972	1.199	0.927	1.038
0.941	24.777	22.401	0.802	0.802	0.96	0.908	1.14	0.976	0.953
0.93	21.79	17.26	0.837	0.876	1.066	0.883	1.076	1.013	0.991
0.91	23.558	16.515	0.764	0.949	0.994	0.873	1.077	1.023	0.977
0.93	23.148	12.457	0.779	0.832	1.07	0.886	1.068	1.004	1.022
0.889	18.967	17.122	0.838	0.996	1.113	0.919	1.034	0.972	1.028
0.932	25.84	21.033	0.786	0.849	1.052	1.008	1.106	0.998	1.02
0.92	19.927	17.095	0.696	0.912	0.936	0.889	1.058	1.022	0.898
0.863	25.018	18.476	0.823	0.927	1.073	1.016	1.091	1.012	0.947
0.764	19.74	9.226	0.943	1.08	1.144	0.979	0.742	0.568	0.885
0.957	20.442	18.247	0.887	0.923	0.993	0.905	1.153	1.05	1.05
0.915	15.961	12.333	0.813	0.86	1.015	0.923	1.065	0.991	1.018
0.899	26.67	18.798	0.828	0.864	0.981	0.918	1.102	1.017	0.936
0.834	18.036	18.717	0.874	0.96	1.019	0.952	1.114	1.012	0.955
0.887	25.912	17.238	0.746	0.895	1.051	0.955	1.148	0.993	1.037
0.92	15.16	10.043	0.935	0.935	1.141	1.022	1.058	0.988	1.02

FIG. 4C

25% Right Edge Ratio	75% Top Edge Ratio	75% Bottom Edge Ratio	75% Left Edge Ratio	75% Right Edge Ratio	Horiz 25% Max/Min	Vert 25% Max/Min	Horiz 75% Max/Min	Vert 75% Max/Min	Affy Outliers
1.082	1.494	0.888	0.981	1.16	1.197	1.475	1.648	2.554	28
1.108	1.531	0.904	1.019	1.25	1.195	1.535	1.645	2.69	18
1.055	1.541	0.855	1.185	0.967	1.146	1.533	1.365	2.802	10
1.084	1.374	0.944	1.042	1.185	1.146	1.375	1.522	2.287	46
1.057	1.413	0.9	1.112	1.093	1.143	1.445	1.476	2.46	6
1.078	1.441	0.875	1.078	1.105	1.203	1.428	1.526	2.541	45
1.091	1.486	0.93	0.999	1.202	1.179	1.517	1.639	2.651	18
1.102	1.613	0.909	1.088	1.201	1.192	1.629	1.583	3.077	40
1.128	1.309	1.043	1.051	1.071	1.214	1.348	1.439	2.507	63
1.02	1.556	0.895	1.105	1.099	1.139	1.546	1.478	2.946	194
1.108	1.556	0.884	1.031	1.174	1.187	1.359	1.541	2.607	111
1.115	1.476	0.895	0.963	1.138	1.227	1.373	1.668	2.477	118
1.068	1.402	0.929	1.034	1.118	1.122	1.35	1.489	2.347	112
1.018	1.828	0.863	1.276	0.902	1.211	1.69	1.598	3.552	27
1.079	1.612	0.783	1.09	1.139	1.146	1.456	1.453	2.711	28
1.01	1.41	0.941	0.981	1.063	1.176	1.363	1.447	2.318	50
1.003	1.413	0.961	1.012	1.058	1.111	1.308	1.328	2.355	28
1.03	1.437	0.961	1.057	1.034	1.135	1.385	1.364	2.521	46
0.981	1.406	0.95	1.049	1.001	1.109	1.378	1.316	2.372	18
1.002	1.333	0.965	1.169	1.017	1.115	1.445	1.336	2.219	65
1.024	1.442	0.941	1.035	1.125	1.118	1.42	1.447	2.554	38
1.015	1.305	0.947	0.881	1.01	1.237	1.419	1.539	2.317	23
0.928	1.395	0.952	0.922	0.861	1.188	1.41	1.434	2.478	77
1.354	0.999	0.627	0.91	1.321	2.146	2.741	2.074	2.323	575
1.014	1.477	0.979	1.071	1.054	1.161	1.529	1.423	2.745	104
1.005	1.33	0.905	1.087	0.987	1.121	1.38	1.346	2.274	61
0.947	1.42	0.936	0.873	0.926	1.183	1.408	1.529	2.557	33
0.955	1.37	0.928	0.933	0.93	1.189	1.463	1.474	2.403	55
1	1.465	0.924	1.02	1.075	1.116	1.421	1.368	2.58	20
1.032	1.444	1.007	1.106	1.054	1.087	1.148	1.38	2.26	133

FIG. 4D

[illegible]

FIG. 4E

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IP Fail Flags			
00000010	00000000	00000000	00100000
00000010	10000000	00000000	00100000
00000010	00000000	00000000	00100000
00000000	00000000	00000000	00100000
00000000	00000000	00000000	00100000
00000000	00000000	00000000	00100000
00000010	00000000	00000000	00100000
00000010	00000000	00000000	00100000
00000000	00001000	00000000	00100000
00000010	00000000	00000000	00100000
00000000	00000000	00000000	00100000
00000000	00000000	00000000	00100000
00000000	00001000	00000000	00100000
00000000	00000000	00000000	00100000
00000010	01010000	01000000	00100000
00000000	00100000	00000000	00100000
00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000
00000000	00000000	00000000	01100000
00000000	00000000	00000000	00000000
00000000	01000100	00000000	00000000
00000000	00000100	00000000	00000000
00000111	10101111	00000000	01000100
00000010	00000000	00000000	00100000
00000000	00000000	00000000	00100000
00000000	01000100	00000000	00000000
00000010	00000000	00000000	00000000
00000000	00000000	00000000	00000000
00000000	00000000	00000000	00100000

FIG. 4F

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Fields	DESCRIPTION
ID	Sequence (Primary Key)
CHIPID	Not used
EXPERIMENTNA	Link to chip table
PROCESSID	From CV PROCESS
PERSON	User or Application
DATETIME	Timestamp
HISTORY	CURRENT or HISTORY
PROBLEMID	From CV PROBLEM (>0 if
FILENAME	Filename from Analysis or

FIG. 5

ID	DESCRIPTI
ANALYSIS	Analysis
VALIDATE	Validate
IMAGEPRO	Image
VQC	Visual QC
MASK	Mask
VALIDCHP	Validate
IMPORT	Import
PUBLISH	Publish
ARCHIVE	Archive

FIG. 6

ID	DESCRIPTION
0	ok
1	DAT file not found after scan
2	CEL file not found after scan
3	DAT file created without DB entry
4	CHP file is not found
5	CEL file has been modified or
6	Analyzed with incorrect parameters
7	Analyzed without visual QC
8	CEL file created without DB entry
9	CHP file created without DB entry
10	CEL file is older than DAT file
11	CHP file is older than CEL file
12	Failed Visual QC
13	Failed Image Processing

FIG. 7

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Fields	DESCRIPTION
CHIPID	IPK
EXPERIMENTNAM	From Affv
PERSON	QCUser
PROBEARRAYTY	From Affv
COMMENTS	
QCDATE	Timestamp
LOTNUMBER	From Affv
PASSFAIL	Set by vac user
DATESTAMP	Current date
FAILREASON	Reason chip failed QC. - (no longer same as defect reason)
NEEDSMASK	Flag indicating image needs to be masked (set by vac user from QC)
MASKED	Flag indicating has been masked ('Y') or not (blank) Set from Qualms
IP_FAILFLAGS	25 flag bits. 1=corresponding metric is out of range (failed)
IP_FAILDESCRIPT	Description of defects implied by failed metrics
IP_LIMITSVER	Version number of limits used to compute IP_FAILFLAGS
32 IP Metric columns	IP_INTENSALL, IP_INTENS_SPIKE*, IP_INTENSOLIGOB2*, IP_OUTLIERS, IP_SATUR, IP_SPIKEINR2, IP_VERT10, IP_SPIKEINICPT*, IP_SPIKEINSLOPE*, IP_NEGATIVEPP, IP_VERTOUTVAR, IP_HOROUTVAR, IP_TOPOUTEDGE, IP_BOTTOMOUTEDGE, IP_LEFTOUTEDGE, IP_RIGHTOUTEDGE, IP_TOPEDGE25, IP_BOTTOMEDGE25, IP_LEFTEDGE25, IP_RIGHTEDGE25, IP_TOPEDGE75, IP_BOTTOMEDGE75, IP_LEFTEDGE75, IP_RIGHTEDGE75, IP_HOR25MINMAX, IP_VERT25MINMAX, IP_HOR75MINMAX, IP_VERT75MINMAX, IP_INTENSE5TH, IP_53GAPDH*, IP_53BACTIN*, IP_MEANAVDIFF* *= no limits for these metrics

FIG. 8

Fields	DESCRIPTION
DEFECTID	Sequence (Primary Key)
OLDDEFECTDESCR	For historic reasons -- no longer used
CLASS	Defect type
IMAGE	Not used
CHIPID	FK. Link to ChipDefects PK
QUADRANT	Not used
DEFECTDESCRIPTI	New Description, linked to CV FAILREASON

FIG. 9

Fields	DESCRIPTION
DEFECTID	Sequence (Primary Key)
SHAPE	0=rectangle. 1=ellipse
IMAGE LEFT	Defect location in image coordinates
IMAGE RIGHT	
IMAGE TOP	
IMAGE BOTTOM	
GRID LEFT	Defect location in cel file (grid) coordinates
GRID RIGHT	
GRID TOP	
GRID BOTTOM	

FIG. 10

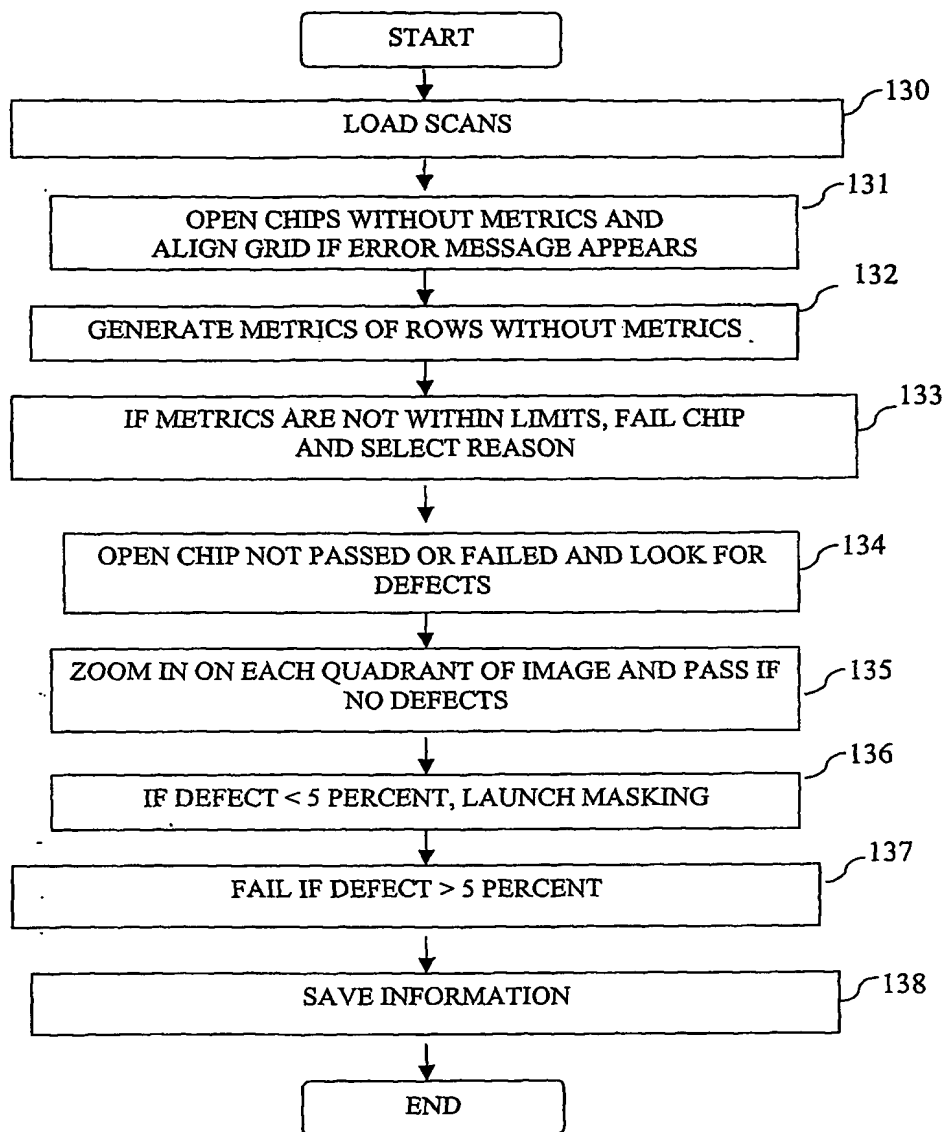
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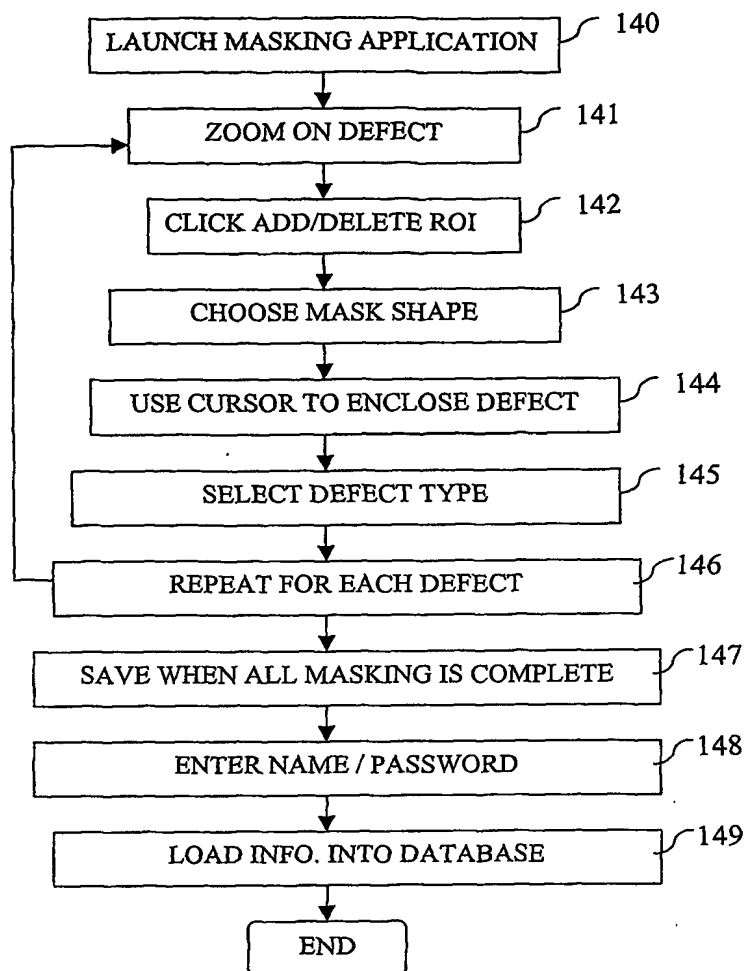
REASON
Bright Locally
Bright Overall
Cracked
Crop Circle
Dim Locally
Dim Overall
Haze Band
Haze
High Background
Incorrect ProbeArray
Incorrect Scanner Setting
No Sample
Other
Scanner Failure
Snow

FIG. 11

Column	Table	DESCRIPTION
LOT RUN ID	AFFX PHYSICAL AR	Lot Number
PROBE ARRAY NA	AFFX PHYSICAL AR	Chip Type – used to update ProbeArrayType in Chip
EXP COMMENT	AFFX ARRAY EXPER	Scanner setting (High/Low)
PROJECT NAME	AFFX SAMPLE	Project name
SCANDATE	CHIP HYB SCAN INF	Scan Date
SCANNER	CHIP HYB SCAN INF	Scanner Name
FLUIDICS	CHIP HYB SCAN INF	Fluidics Name
STATION	CHIP HYB SCAN INF	Fluidics Station
POSITION	CHIP HYB SCAN INF	Fluidics Position

FIG. 12

**FIG. 13**

**FIG. 14**